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| | | | | FIG. 2A | |
|------|------|-----------------|------|--|--------------------------------------|
| 32 | 33 | 34 | 35 | 36 | 37 |
| CUST | UNIT | DATE | CODE | DESC ' | DESC1 |
| RR | 3500 | Sun Jul 13 1997 | 1111 | Piping Fittings-Engine Intercooler | REPAIRED WATER LEAK AT TOP OF RT |
| RR | 3500 | Tue Jul 01 1997 | 2222 | Lube Oil-Engine | WATER IN LUBE OIL CHANGED OIL |
| RR | 3500 | Sat Jun 28 1997 | 3333 | BRP-Battery Charger Regulator Panel | NO BATTCHARGE-REPL BPR |
| RR | 3500 | Wed Jun 18 1997 | 4444 | EFI-High Pressure Pump | REPLACE 3 HP PUMPS NOT FOR FIRING |
| RR | 3500 | Mon Jun 09 1997 | 5555 | Turbocharger Assembly General-Eng | TURBO DRAGSSECONDARY DAMAGE-RPL |
| RR | 3500 | Sat May 24 1997 | 6666 | Cylinder Assembly General-Eng | REPL R6 PA FOR SECONDARY DAMAGE |
| RR | 3500 | Sat May 24 1997 | 7777 | Cylinder Assembly General-Eng | TRIPPING COP PISTON |



FIG. 2B

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| FAILMODE_DESC | SUB_ASSEMBLY_CODE | MAIN_ASSEMBLY_CODE |
|---------------------|-------------------|--------------------|
| LEAKING FLUIDAIR | ENGINTCOOL | ENGINE |
| CONTAMINATED | LUBEOIL | ENGISUPT |
| UNKNOWNUNDETERMINED | POWERPANEL | POWERELN |
| UNKNOWNUNDETERMINED | ENGFUELINJ | ENGINE |
| UNKNOWNUNDETERMINED | ENGTURBO | ENGINE |
| UNKNOWNUNDETERMINED | POWERASSY | ENGINE |
| UNKNOWNUNDETERMINED | POWERASSY | ENGINE |



App_ID=10063601

FIG. 3A

| 42 | 44) | 45 \ | 46 | · | 40 | | | |
|----|----------------|-------------|-----------|----------|----------|------|----|---|
| RR | 3500 | 03-may-1997 | 1000 | 90623.06 | 90637.20 | 0.0 | CS | 0 |
| RR | 3500 | 03-may-1997 | 2000 | 90623.06 | 90637.20 | 0.0 | CS | 0 |
| RR | 3500 | 22-may-1997 | 3000 | 91067.93 | 91067.93 | 11.4 | F | 5 |
| RR | 3500 | 22-may-1997 | 4000 | 91067.93 | 91067.93 | 11.4 | F | 5 |
| RR | 3500 | 22-may-1997 | 5000 | 91068.70 | 91068.71 | 16.5 | F | 4 |
| RR | 3500 | 22-may-1997 | 6000 | 91068.70 | 91068.71 | 16.5 | F | 4 |
| RR | 3500 | 22-may-1997 | 7000 | 91068.71 | 0.00 | 17.9 | F | 1 |
| RR | 3500 | 22-may-1997 | 8000 | 91068.71 | 0.00 | 17.9 | F | 1 |
| RR | 3500 | 22may-1997 | 9000 | 91069.55 | 91069.55 | 23.1 | F | 5 |
| RR | 3500 | 22may-1997 | 1111 | 91069.55 | 91069.55 | 23.1 | F | 5 |
| RR | 3500 | 22-may-1997 | 2222 | 91069.56 | 91069.58 | 27.4 | F | 6 |

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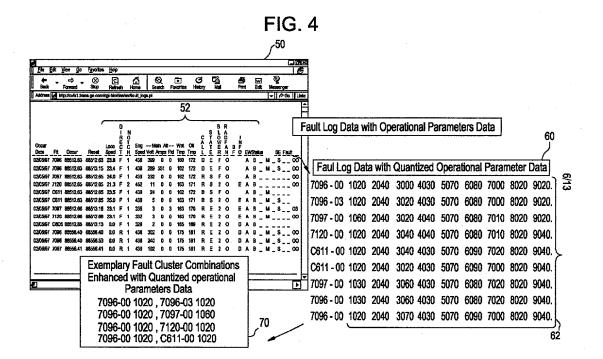


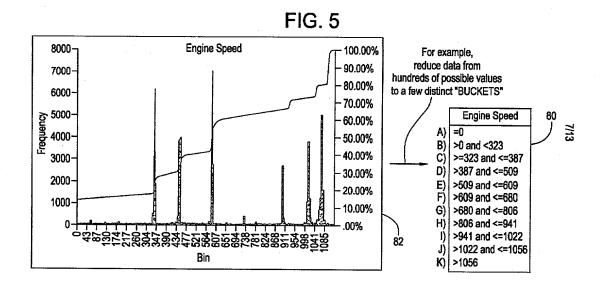


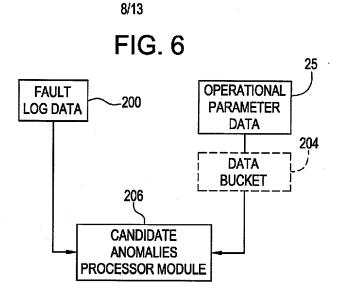
0 1 2 0 101 97 R E 0 0 Intake Manifold Air Too
0 1 2 0 101 97 R E 0 0 Intake Manifold Air Too
992 288 4706 202 177 182 M E F 0 6AB M S COP Trip
992 288 4706 202 177 182 M E F 0 6AB M S COP Trip
885 338 2864 133 175 186 M E 2 4 6AB M S COP Trip
885 338 2864 133 175 186 M E 2 4 6AB M S COP Trip
885 338 2864 133 175 186 M E 2 4 6AB M S COP Trip
458 6 0 0 174 186 R E F 4 EAB Fault Reset While in Lc
458 6 0 0 174 186 R E F 4 EAB Fault Reset While in Lc
992 474 3005 148 180 187 M E 2 0 R 6AB M S COP Trip
992 474 3005 148 180 187 M E 2 0 R 6AB M S COP Trip
1010 506 2405 128 179 189 M E F 4 6AB M S COP Trip

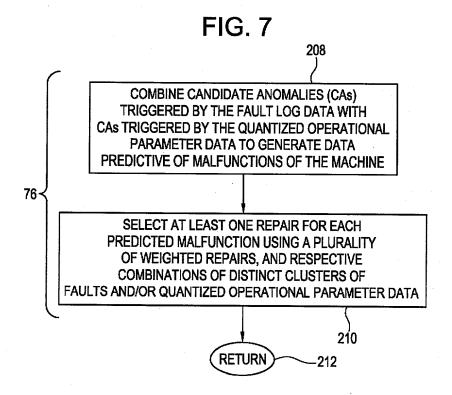


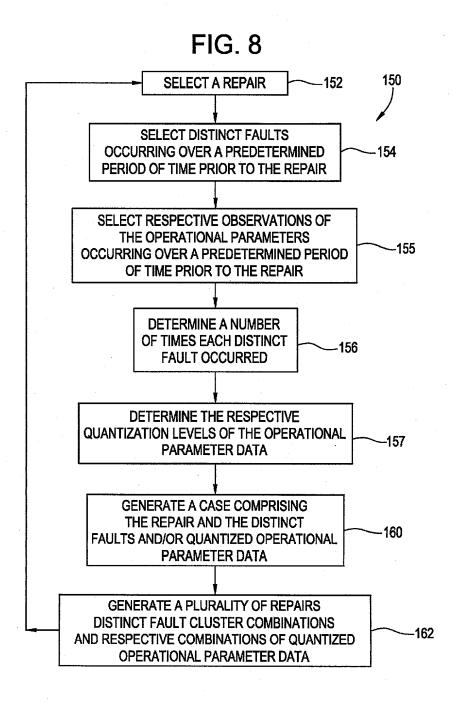
5/13

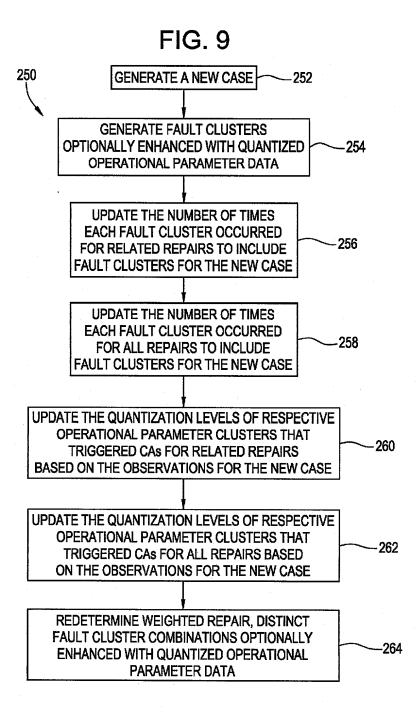












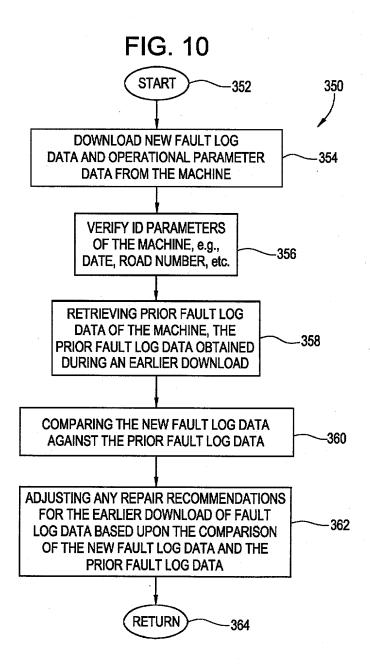


FIG. 11

START 370

ANY 372

NEW FAULTS
SINCE LAST
DOWNLOAD?

IYES

ANY

REPEAT FAULTS?

NO

ANY NEW FAULTS

RELATED TO PREVIOUS FAULTS?

NO

ANY

ACTIVE

FAULTS?

ANALYZE EACH FAULT (e.g., USING EXPERTS)

NO

382

YES

-386

376

YES

380

YES

374

REVIEW AND UPDATE LAST

RECOMMENDATION

384

ASSIGN A REPAIR

ACTION, INCLUDING

IMMEDIATE ACTION

